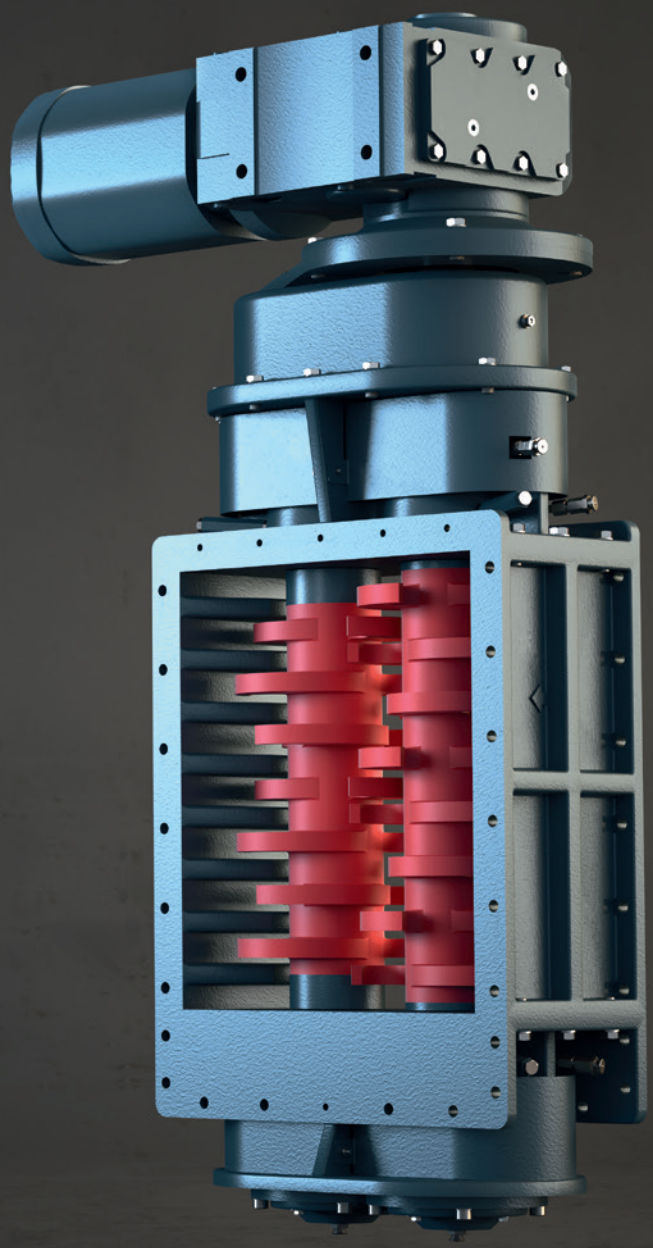
IBAU HAMBURG
A HAVER & BOECKER BRAND



LUMP CRUSHER

Breaking up has never been easier

The design of the IBAU Lump crusher is made for **durability, efficiency,** and **ease of integration** into bulk handling systems.

OPERATION & DESIGN

The IBAU Lump crusher is installed at the silo discharge for eliminating larger lumps of material and reducing them to a size that passes the opening without any problem at all, guaranteeing the free flowing of material at the silo outlet. The lump crusher is available in two versions: **Type H for horizontal** material flow and **Type V for vertical** material flow.

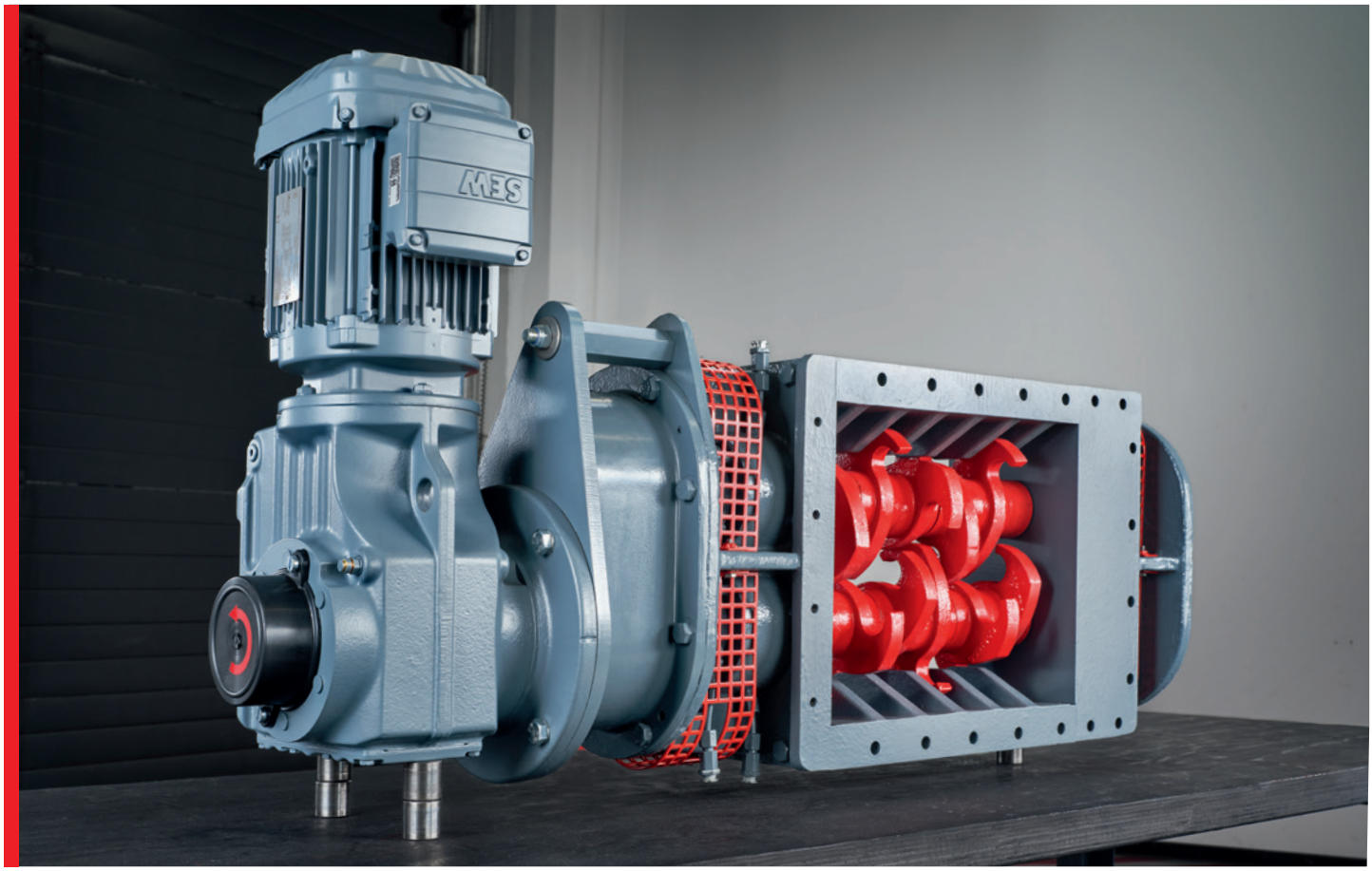
- **Breaking down lumps** upon entry
- **Smooth** material flow and consistency
- **Easy integration** into existing systems
- **Low maintenance** with high durability
- **Wear-resistant** coating
- **Compact** and **modular** structure
- Equipped with a **bevel gear motor**
- **Enclosed crushing chamber**
- **Enclosed housing** for dust control
- Integrated **speed monitor**

Type H: sizes from 200, 300, 400, 500 with motor drive

Type V: sizes from 300, 400, 500, 650, 800 with motor drive

Maximum lump sizes after exiting the lump crusher

Size lump crusher	**lump size** after crushing
200	29mm x 68mm
300	27mm x 57mm
400	55mm x 70mm
500	40mm x 51mm
650	24mm x 37mm
800	43mm x 45mm



AREA OF APPLICATION

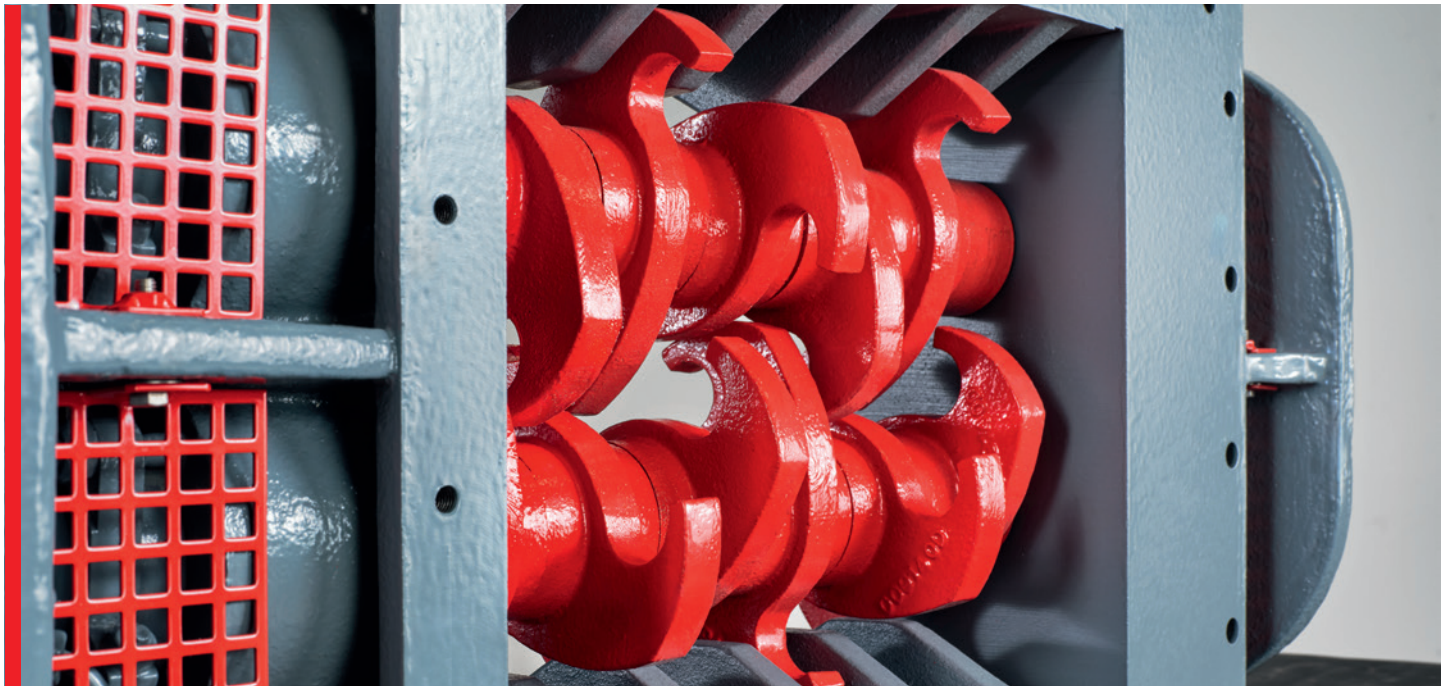
- In the cement industry for **breaking down cement, clinker, limestone and gypsum lumps** that form due to moisture or pressure in silos and hoppers.
- Wherever the **flow and consistency** of a dry pulverized material flow are crucial.

FUNCTION

Preventing equipment blockage: Large lumps can clog downstream equipment, disrupt operations, and lead to downtimes.

Improving efficiency in processing and transport: With even particle sizes, materials can be processed and transported more smoothly, reducing wear and tear on equipment.

Maintaining material consistency: The lump crusher maintains the uniformity of particle sizes, which is important for quality control in various industrial processes.



ADVANTAGES

of the IBAU Lump crusher

- Designed for long-term robust operation conditions
- Increases the productivity of your plant by eliminating lumps
- Extremely wear-resistant
- Cost-efficient, as single damaged crusher elements can be replaced instead of the whole shaft
- High operating temperatures up to 200 °C
- Mass flow of the cement up to **777,78 m³/h - Type H**
- Low energy requirement
- Integrated speed monitor

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